

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/02/2015 09:35 AM
Cytometer Baseline: 10/20/2014 10:06 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123665	-2	1.24	123481	1.20
Blue	F	SSC	125000	123426	-2	2.38	124242	2.05
Blue	E	FITC	17374	16548	-5	2.20	933	8.47
Blue	D	PE	22653	22077	-3	1.79	998	7.53
Blue	B	PerCP-Cy5-5	64987	63849	-2	2.47	1678	12.17
Blue	A	PE-Cy7	74081	72988	-2	3.54	960	23.27
Red	C	APC	61430	60644	-2	2.58	3428	7.94
Red	A	APC-Cy7	88289	88357	0	2.67	1745	7.62
Violet	B	V450	12535	12162	-3	2.72	753	7.06
Violet	A	V500	47468	45698	-4	2.32	2580	4.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19979	3.82	584	5	N/A	N/A	Pass
Blue	F	SSC	61693	1.35	497	8	N/A	N/A	Pass
Blue	E	FITC	102	33.78	512	3	0.0277	97	Pass
Blue	D	PE	206	23.31	506	5	0.1972	144	Pass
Blue	B	PerCP-Cy5-5	205	36.60	586	6	0.0130	0	Pass
Blue	A	PE-Cy7	75	86.91	644	7	0.0169	2	Pass
Red	C	APC	319	25.14	572	2	0.0221	0	Pass
Red	A	APC-Cy7	110	37.07	549	3	0.0053	949	Pass
Violet	B	V450	80	37.07	450	1	0.0588	1704	Pass
Violet	A	V500	169	18.34	478	0	0.0185	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.53	-31.31	0.88
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.30
Red	15.56	13.07 - 19.61	N/A	N/A	31.86	32.10	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14739

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments